

Please type a plus sign (+) inside this box → [+]  
Under the Paperwork Reduction of Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 740756-2312  
First Inventor Yasuyuki ARAI  
Title METHOD OF MANUFACTURING A LIGHT-  
EMITTING DEVICE  
Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Sheets 4]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies; or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☒ Certified Copy of Japanese Priority Document No. 2000-141005 Filed: May 12, 2000 Priority Claimed Yes [X] No [] (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(I). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior Application Serial No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_


For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

22204  
(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

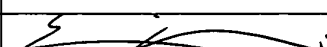
Name	Eric J. Robinson				
Address	NIXON PEABODY LLP				
	8180 Greensboro Drive, Suite 800				
City	McLean	State	VA	Zip Code	22102
Country	United States	Telephone	(703) 790-9110	Fax	(703) 883-0370
Name (Print/Type)	Eric J. Robinson		Registration No. (Attorney/Agent)		38,285
Signature				Date	May 3, 2001

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL FOR FY 2001</b> <i>Patent fees are subject to annual revision.</i>		<i>Complete if Known</i> Application Number _____ Filing Date May 3, 2001 First Named Inventor Yasuyuki ARAI Examiner Name _____ Group Art Unit _____ Attorney Docket No. 740756-2312	
TOTAL AMOUNT OF PAYMENT	\$830.00		

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																												
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number 19-2380</p> <p>Deposit Account Name NIXON PEABODY LLP</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English transaction</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 390</td><td>216 195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 890</td><td>217 445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,390</td><td>218 695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 1,890</td><td>228 945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141 1,240</td><td>241 620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142 1,240</td><td>242 620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 440</td><td>243 220</td><td>Design issue fee</td><td></td></tr> <tr><td>144 600</td><td>244 300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>\$40.00</td></tr> <tr><td>146 710</td><td>246 355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149 710</td><td>249 355</td><td>For each additional invention to be examined (37 CFR § 1.29(b))</td><td></td></tr> <tr><td>179 710</td><td>249 355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169 900</td><td>169 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="2">* Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3)</td> <td>\$40.00</td> </tr> </tbody> </table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing fee or cover sheet		139 130	139 130	Non-English transaction		147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for reply within first month		116 390	216 195	Extension for reply within second month		117 890	217 445	Extension for reply within third month		118 1,390	218 695	Extension for reply within fourth month		128 1,890	228 945	Extension for reply within fifth month		119 310	219 155	Notice of Appeal		120 310	220 155	Filing a brief in support of an appeal		121 270	221 135	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive - unavoidable		141 1,240	241 620	Petition to revive - unintentional		142 1,240	242 620	Utility issue fee (or reissue)		143 440	243 220	Design issue fee		144 600	244 300	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Petitions related to provisional applications		126 240	126 240	Submission of information Disclosure Stmt		581 40	581 40	Recording each patent assignment per property (times number of properties)	\$40.00	146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))		149 710	249 355	For each additional invention to be examined (37 CFR § 1.29(b))		179 710	249 355	Request for Continued Examination (RCE)		169 900	169 900	Request for expedited examination of a design application		Other fee (specify) _____				* Reduced by Basic Filing Fee Paid		SUBTOTAL (3)	\$40.00
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																										
105 130	205 65	Surcharge - late filing fee or oath																																																																																																																											
127 50	227 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																											
139 130	139 130	Non-English transaction																																																																																																																											
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																											
112 920*	112 920*	Requesting publication of SIR prior to Examiner action																																																																																																																											
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action																																																																																																																											
115 110	215 55	Extension for reply within first month																																																																																																																											
116 390	216 195	Extension for reply within second month																																																																																																																											
117 890	217 445	Extension for reply within third month																																																																																																																											
118 1,390	218 695	Extension for reply within fourth month																																																																																																																											
128 1,890	228 945	Extension for reply within fifth month																																																																																																																											
119 310	219 155	Notice of Appeal																																																																																																																											
120 310	220 155	Filing a brief in support of an appeal																																																																																																																											
121 270	221 135	Request for oral hearing																																																																																																																											
138 1,510	138 1,510	Petition to institute a public use proceeding																																																																																																																											
140 110	240 55	Petition to revive - unavoidable																																																																																																																											
141 1,240	241 620	Petition to revive - unintentional																																																																																																																											
142 1,240	242 620	Utility issue fee (or reissue)																																																																																																																											
143 440	243 220	Design issue fee																																																																																																																											
144 600	244 300	Plant issue fee																																																																																																																											
122 130	122 130	Petitions to the Commissioner																																																																																																																											
123 50	123 50	Petitions related to provisional applications																																																																																																																											
126 240	126 240	Submission of information Disclosure Stmt																																																																																																																											
581 40	581 40	Recording each patent assignment per property (times number of properties)	\$40.00																																																																																																																										
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																											
149 710	249 355	For each additional invention to be examined (37 CFR § 1.29(b))																																																																																																																											
179 710	249 355	Request for Continued Examination (RCE)																																																																																																																											
169 900	169 900	Request for expedited examination of a design application																																																																																																																											
Other fee (specify) _____																																																																																																																													
* Reduced by Basic Filing Fee Paid		SUBTOTAL (3)	\$40.00																																																																																																																										
<p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101 710</td><td>201 355</td><td>Utility filing fee</td><td>\$710</td></tr> <tr><td>106 320</td><td>206 160</td><td>Design filing fee</td><td></td></tr> <tr><td>107 490</td><td>207 245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108 710</td><td>208 355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114 150</td><td>214 75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (1)</td><td>\$710.00</td></tr> </tbody> </table> <p><b>2. EXTRA CLAIM FEES</b></p> <p>Total Claims 20 -20** = 0 X \$18 = \$0</p> <p>Independent Claims 4 -3** = 1 X \$80 = \$80.00</p> <p>Multiple Dependent \$270 = \$0</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103 18</td><td>203 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102 80</td><td>202 40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104 270</td><td>204 135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109 80</td><td>209 40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110 18</td><td>210 9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (2)</td><td>\$80.00</td></tr> </tbody> </table> <p>**or number previously paid, if greater; For Reissues, see above</p>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	101 710	201 355	Utility filing fee	\$710	106 320	206 160	Design filing fee		107 490	207 245	Plant filing fee		108 710	208 355	Reissue filing fee		114 150	214 75	Provisional filing fee		SUBTOTAL (1)			\$710.00	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	103 18	203 9	Claims in excess of 20		102 80	202 40	Independent claims in excess of 3		104 270	204 135	Multiple dependent claim, if not paid		109 80	209 40	** Reissue independent claims over original patent		110 18	210 9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)			\$80.00																																																																					
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																										
101 710	201 355	Utility filing fee	\$710																																																																																																																										
106 320	206 160	Design filing fee																																																																																																																											
107 490	207 245	Plant filing fee																																																																																																																											
108 710	208 355	Reissue filing fee																																																																																																																											
114 150	214 75	Provisional filing fee																																																																																																																											
SUBTOTAL (1)			\$710.00																																																																																																																										
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																										
103 18	203 9	Claims in excess of 20																																																																																																																											
102 80	202 40	Independent claims in excess of 3																																																																																																																											
104 270	204 135	Multiple dependent claim, if not paid																																																																																																																											
109 80	209 40	** Reissue independent claims over original patent																																																																																																																											
110 18	210 9	** Reissue claims in excess of 20 and over original patent																																																																																																																											
SUBTOTAL (2)			\$80.00																																																																																																																										

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Eric J. Robinson	Registration No.	38,285
Signature		Telephone	(703) 790-9110
		Date	May 3, 2001